


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2012-0142</b></p> <p><b>Date: 03 August 2012</b></p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
<p><b>Design Approval Holder's Name :</b></p> <p>See list below</p>	<p><b>Type/Model designation(s) :</b></p> <p>Hot Air Balloons (see Applicability)</p>
<p>Altisph'air, Ballons Libert sprl, Ballonservice &amp; Technik, Balóny Kubíček spol. s.r.o., Cameron Balloons Ltd., Lindstrand Hot Air Balloons Ltd., Llopis Balloons, Schroeder Fire Balloons GmbH, Ultramagic S.A.</p>	
<p>TCDS Numbers:</p>	<p>Austria BA 009-ACG, United Kingdom (UK) BB5, UK BB19, UK BB20, UK BB25, EASA.BA.001, EASA.BA.002, EASA.BA.003, EASA.BA.004, EASA.BA.012, EASA.BA.013, EASA.BA.014, EASA.BA.015, EASA.BA.016, EASA.BA.017, EASA.BA.021, EASA.BA.120, EASA.BA.501, EASA.BA.502, EASA.BA.503, EASA.BA.504, EASA.BA.505, EASA.BA.506, EASA.BA.517 and France No.186.</p>
<p>Foreign AD:</p>	<p>Not applicable</p>
<p>Supersedure:</p>	<p>None</p>
<b>ATA 25</b>	<b>Equipment/Furnishings – Female ACME Thread Hose Connectors – Inspection</b>
<p>Manufacturer(s):</p>	<p>114 (714) ZO Svazarmu, Aviatik klub, Aerotechnik p.o.s., Aerotechnik s.r.o., Aerotechnik podnik ÚV Svazarmu, Altisph'air, Annonay Air Concept, Ballons Libert sprl, Ballons Chaize, Ballonservice &amp; Technik, Balóny Kubíček spol. s.r.o., Cameron Balloons Ltd., Colt Balloons, Firma Johann Schön, Kubíček spol. s r.o., Lindstrand Balloons Ltd. (LBL), Lindstrand Hot Air Balloons Ltd., Llopis Balloons, Pilatre de Rozier S.I.G.A. S.A., Schroeder Fire Balloons GmbH, Sky Balloons, Thunder Balloons, Thunder &amp; Colt, Ultramagic S.A.</p> <p>Note: The above list of manufacturers (some companies no longer exist) may not be exhaustive, due to lack of historical data. In case a balloon manufacturer name is missing, that cannot be taken as proof that this AD does not apply – see Applicability below.</p>
<p>Applicability:</p>	<p>All balloon types as referenced by TCDS above, all models, all serial numbers if equipped with the parts and components listed in Table 1 and 2 of this AD.</p>
<p>Reason:</p>	<p>Three incidents were reported where the female ACME threaded connectors (Rego type) was leaking when connected to the gas cylinder with the cylinder valve turned on.</p> <p>The results of the technical investigations revealed the possibility that other</p>

	<p>similar connectors produced between 01 January 2011 and 01 September 2011 might not have been assembled with sufficient tightness. A list of potentially affected connectors has been drawn up in Table 1 of this AD. A list of burners and manifolds on which it is already known that an affected connector has been installed is provided in Table 2 of this AD.</p> <p>This condition, if not detected and corrected, could result, in case of an ignition source, in a fire hazard that could damage the balloon and its envelope, ultimately leading to a forced emergency landing, during which balloon occupants and persons on the ground could be injured.</p> <p>To address this potential unsafe condition, Lindstrand Hot Air Balloons Ltd. (who manufactured the hose assemblies) issued Service Bulletin (SB) N° 12, which, for the affected parts, requires accomplishment of an inspection of the female ACME thread hose connectors.</p> <p>For the reasons described above, this AD requires an inspection of the female ACME thread hose connectors for leakage, and, depending on findings, to re-torque the connectors using correct values.</p>												
Effective Date:	17 August 2012												
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) For balloons equipped with connector Part Number (P/N) HS6139 (3/8" BSPP back nut) or P/N HS6144 (1/4" NPT back nut) with component serial numbers (S/N) as listed in Table 1 of this AD, within 30 days after the effective date of this AD, inspect the female ACME thread hose connectors in accordance with instructions of Lindstrand Hot Air Balloons Ltd. SB N° 12.</p> <p style="text-align: center;">Table 1 – Affected parts</p> <table border="1"> <tr> <th>Part Name</th><th>S/N</th></tr> <tr> <td>Female ACME Connector</td><td>All S/N manufactured by Lindstrand Hot Air Balloons Ltd. and supplied as spare parts between 01 January 2011 and 01 September 2011</td></tr> <tr> <td>Connector</td><td>S/N supplied with EASA Form 1 numbers: 0815, 0836, 0837, 0868, 0907, 0908, 0924, and 0951</td></tr> </table> <p style="text-align: center;">Table 2 - List of Burners and Manifolds, on which it is known that an affected connector has been installed</p> <table border="1"> <tr> <th>Part Name</th><th>S/N</th></tr> <tr> <td>Burner</td><td>BU1248, BU1251, BU1252, BU1256, BU1257, BU1258, BU1260, BU1261, BU1263, BU1264, BU1265, BU1267, BU1268, BU1269, BU1270, BU1271, BU1272, BU1273, BU1276, BU1277, BU1278, BU1280, BU1283, BU1284 and BU1285</td></tr> <tr> <td>Manifold</td><td>1183, 1184, 1188, 1189, 1190, 1220, 1223 and 1224</td></tr> </table> <p>Note: Lindstrand Hot Air Balloons Ltd. SB N° 12 also lists some re-fuelling hoses S/N which are not listed in Table 1 of this AD, as those components are used for on-ground activities and therefore are not part of the approved balloon</p>	Part Name	S/N	Female ACME Connector	All S/N manufactured by Lindstrand Hot Air Balloons Ltd. and supplied as spare parts between 01 January 2011 and 01 September 2011	Connector	S/N supplied with EASA Form 1 numbers: 0815, 0836, 0837, 0868, 0907, 0908, 0924, and 0951	Part Name	S/N	Burner	BU1248, BU1251, BU1252, BU1256, BU1257, BU1258, BU1260, BU1261, BU1263, BU1264, BU1265, BU1267, BU1268, BU1269, BU1270, BU1271, BU1272, BU1273, BU1276, BU1277, BU1278, BU1280, BU1283, BU1284 and BU1285	Manifold	1183, 1184, 1188, 1189, 1190, 1220, 1223 and 1224
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	<p>type design.</p> <p>(2) If, during the inspection as required by paragraph (1) of this AD, a leak is detected, before next flight, apply the correct torque to tighten the threaded connection in accordance with the instructions of Lindstrand Hot Air Balloons Ltd. SB N° 12.</p> <p>(3) From the effective date of this AD, do not install on a balloon a component as identified in Table 2 of this AD, fitted with a Female ACME connector, or a connector as listed in Table 1 of this AD, unless it has been inspected and, depending on findings, corrected in accordance with the instructions of Lindstrand Hot Air Balloons Ltd. SB N° 12.</p>
Ref. Publications:	<p>Lindstrand Hot Air Balloons Ltd. SB N° 12 dated 10 February 2012.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 25 May 2012 as PAD 12-053 for consultation until 08 June 2012. The Comment Response Document can be found at <a href="http://ad.easa.europa.eu/">http://ad.easa.europa.eu/</a>.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA; E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: Lindstrand Hot Air Balloons Ltd., Maesbury Road, Oswestry, Shropshire SY10 8ZZ, The United Kingdom; telephone +44 (0) 1691-671717; facsimile +44 (0) 1691-671122; e-mail: <a href="mailto:simon@lindstrand.co.uk">simon@lindstrand.co.uk</a>.</li> </ol>

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